

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051019\
 Data File : VX009476.D
 Acq On : 10 May 2019 12:27
 Operator : JC/SP
 Sample : K2789-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SEWER-OUTLET-02

Quant Time: May 11 03:15:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	28057	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	165562	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	143855	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	70564	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	11.13	95	69855	28.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.27%
63) Toluene-d8	8.71	98	203624	29.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.53%

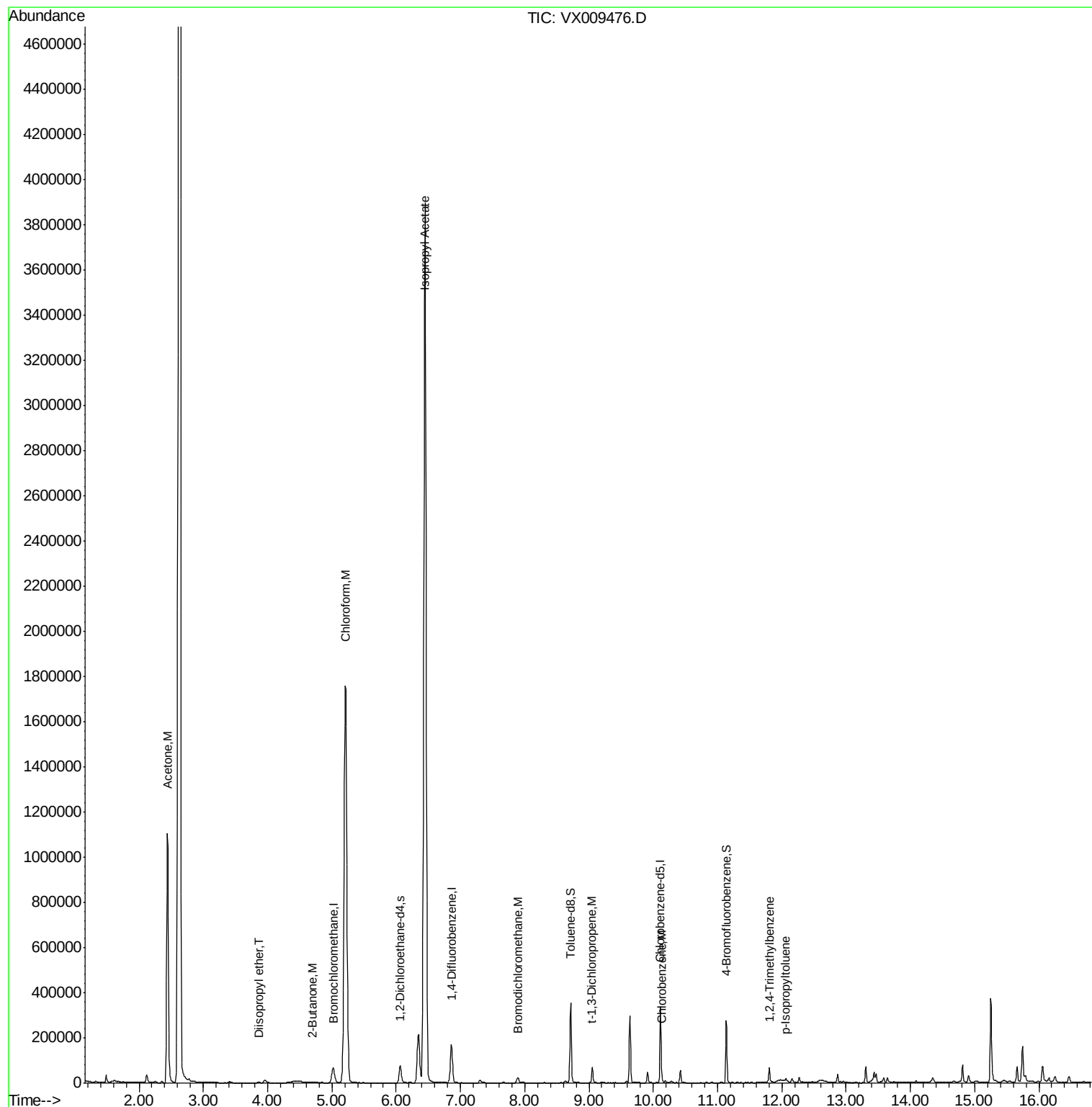
Target Compounds					Ovalue
15) Acetone	2.44	58	379115	1052.612	ug/l 97
20) Diisopropyl ether	3.86	45	2515	0.347	ug/l # 69
25) Chloroform	5.21	83	2111374	658.944	ug/l 99
30) 2-Butanone	4.69	43	3469	1.823	ug/l # 81
41) Bromodichloromethane	7.90	83	9660	3.907	ug/l 99
44) Isopropyl Acetate	6.45	43	5545854	995.793	ug/l 99
48) t-1,3-Dichloropropene	9.05	75	2473	0.857	ug/l # 81
64) Chlorobenzene	10.13	112	2018	0.436	ug/l # 87
80) 1,2,4-Trimethylbenzene	11.80	105	17874	2.546	ug/l 32
82) p-Isopropyltoluene	12.06	119	4234	0.579	ug/l # 32

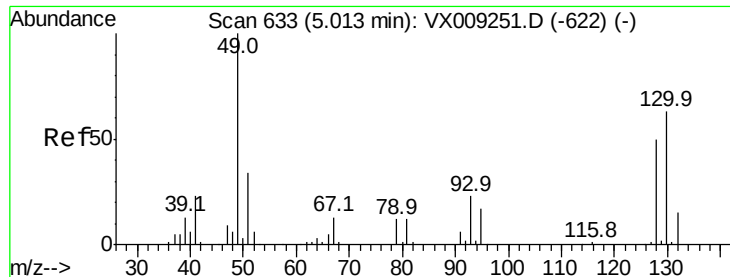
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051019\
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Quant Time: May 11 03:15:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009476.D

Acq: 10 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTLET-02

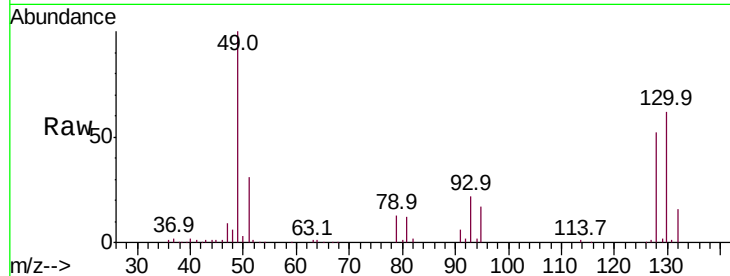
Tot Ion:128 Resp: 28057

Ion Ratio Lower Upper

128 100

49 195.7 0.0 515.0

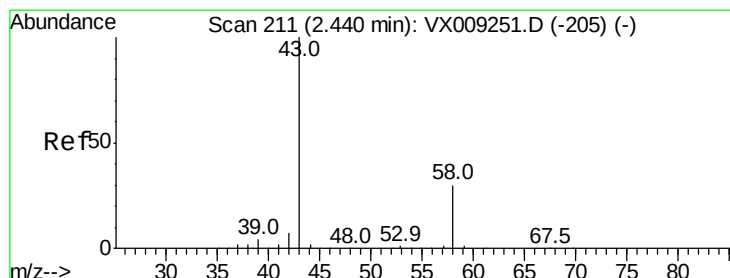
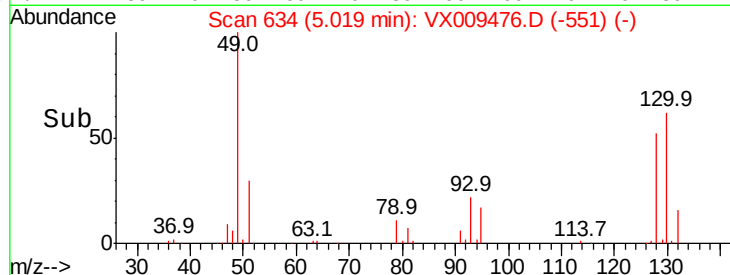
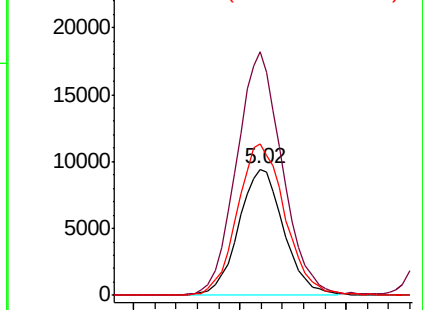
130 126.7 0.0 323.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 1052.612 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX009476.D

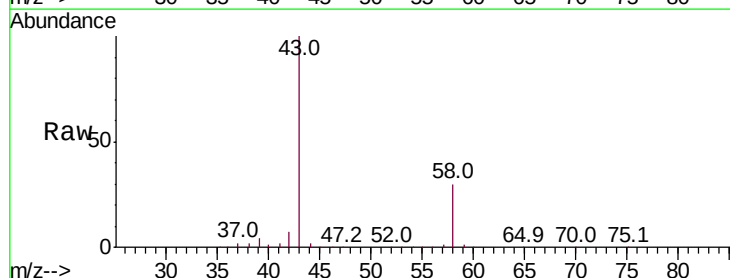
Acq: 10 May 2019 12:27

Tgt Ion: 58 Resp: 379115

Ion Ratio Lower Upper

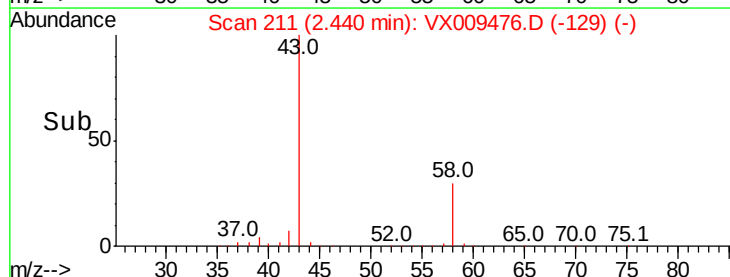
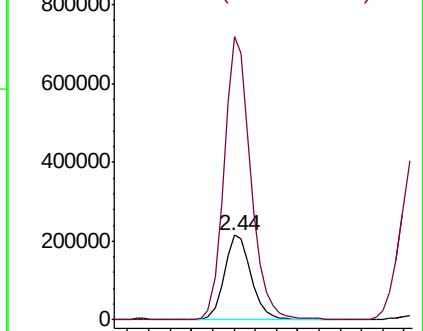
58 100

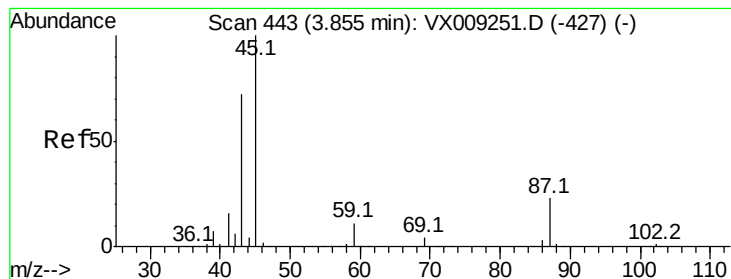
43 335.3 264.0 396.0



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#20

Diisopropyl ether

Concen: 0.347 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009476.D

Acq: 10 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

SEWER-OUTLET-02

Tot Ion: 45 Resp: 2515

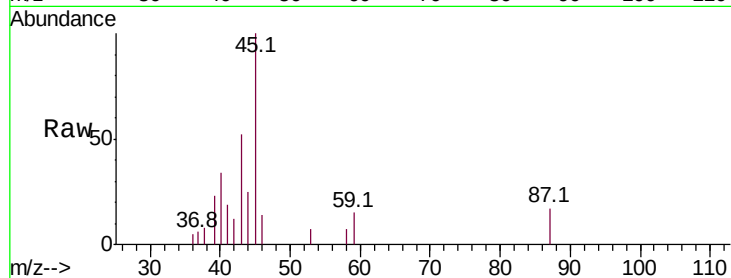
Ion Ratio Lower Upper

45 100

43 38.3 57.7 86.5#

87 19.9 18.5 27.7

59 16.8 8.8 13.2#

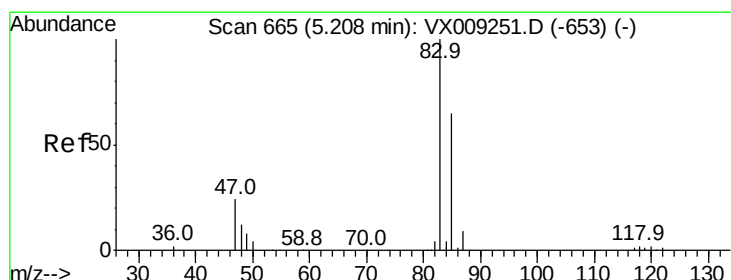
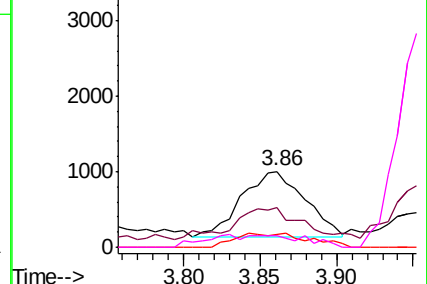
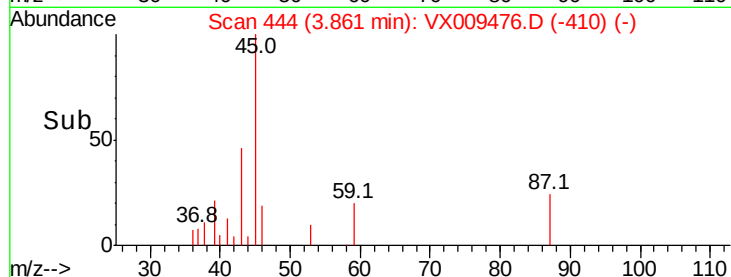


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#25

Chloroform

Concen: 658.944 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009476.D

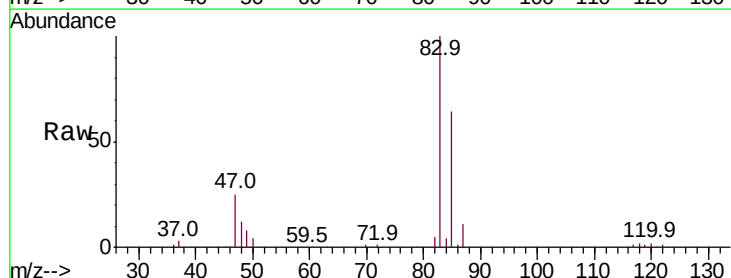
Acq: 10 May 2019 12:27

Tgt Ion: 83 Resp: 2111374

Ion Ratio Lower Upper

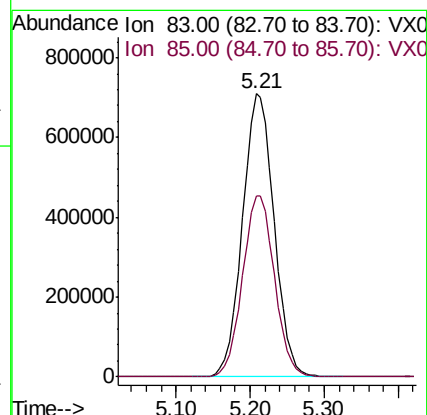
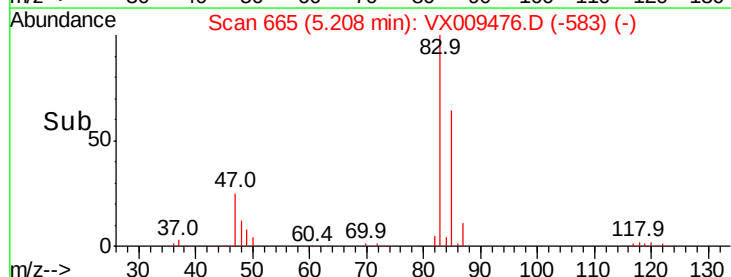
83 100

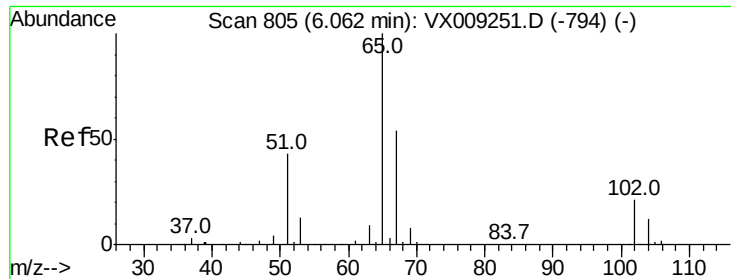
85 64.1 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.318 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009476.D

Acq: 10 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

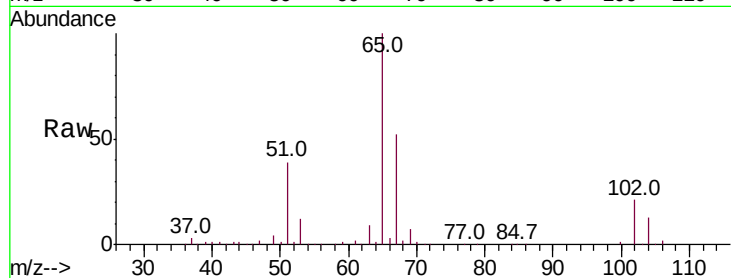
SEWER-OUTLET-02

Tot Ion: 65 Resp: 70564

Ion Ratio Lower Upper

65 100

67 53.4 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.07

25000

20000

15000

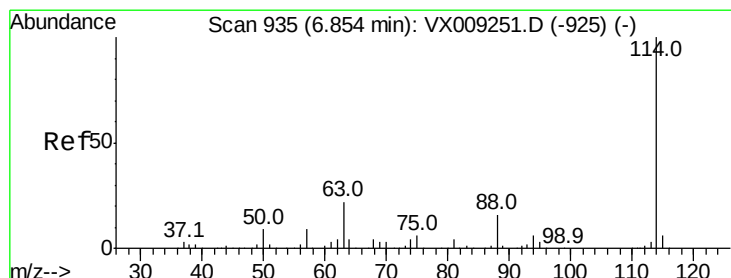
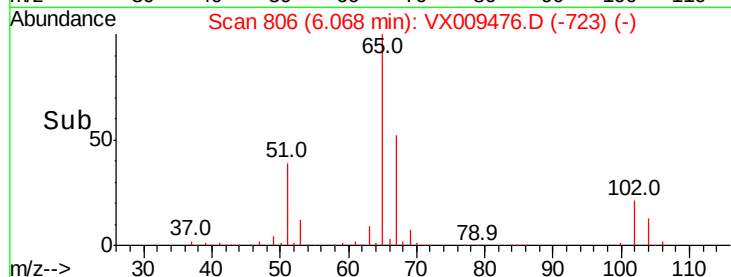
10000

5000

0

6.00 6.10 6.20

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.01 min

Lab File: VX009476.D

Acq: 10 May 2019 12:27

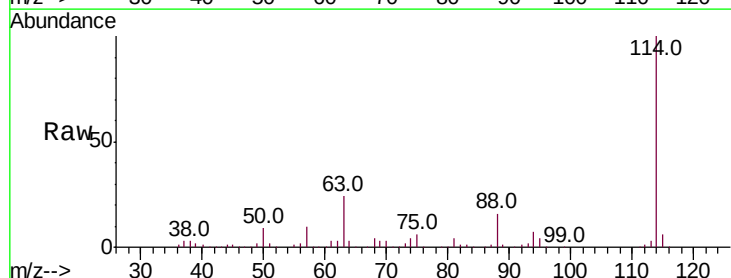
Tgt Ion: 114 Resp: 165562

Ion Ratio Lower Upper

114 100

63 22.7 18.0 27.0

88 16.3 13.4 20.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

80000

60000

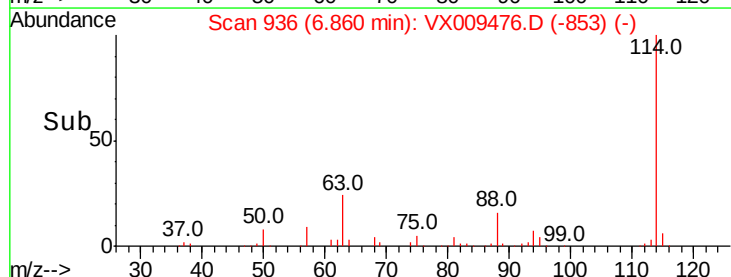
40000

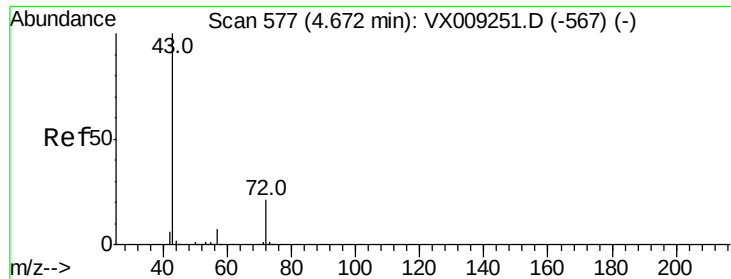
20000

0

6.75 6.80 6.85 6.90 6.95

Time-->

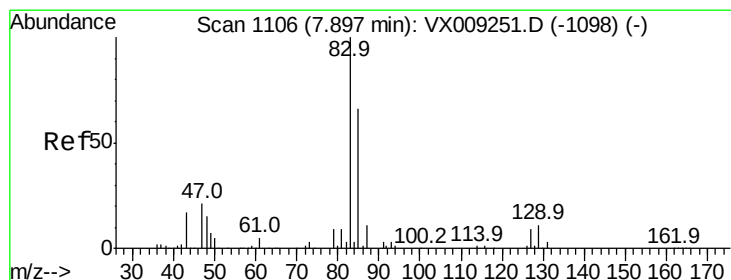
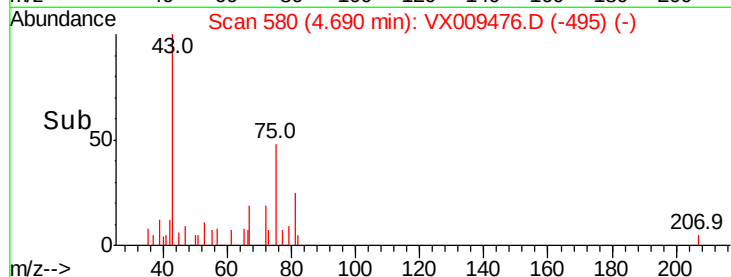
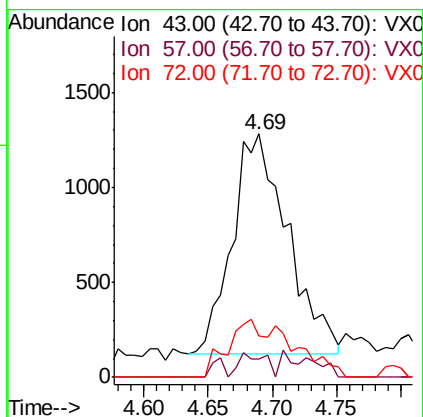
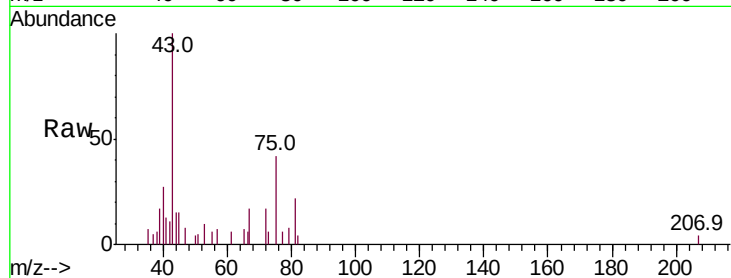




#30
2-Butanone
Concen: 1.823 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX009476.D
Acq: 10 May 2019 12:27

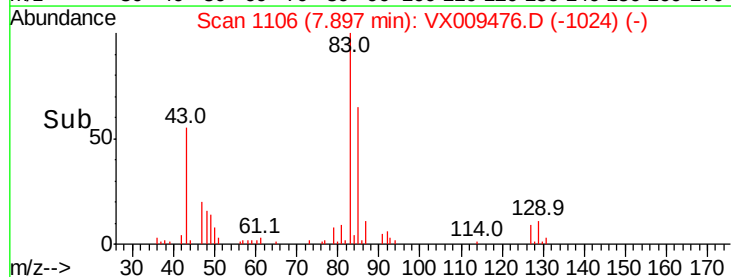
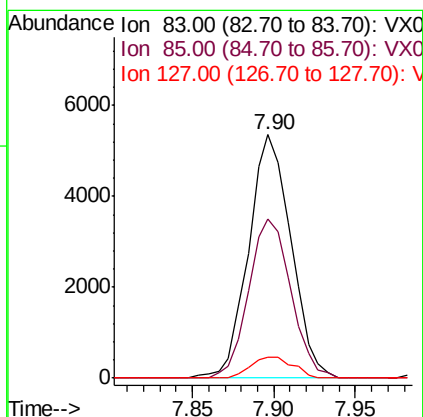
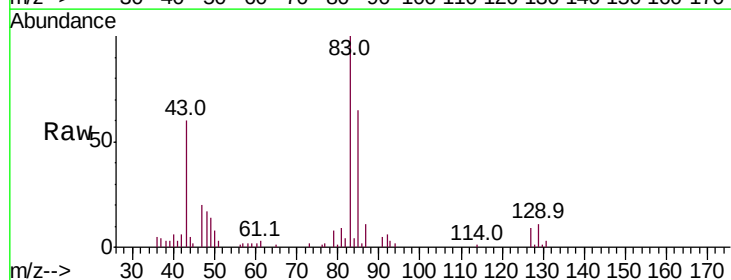
Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTLET-02

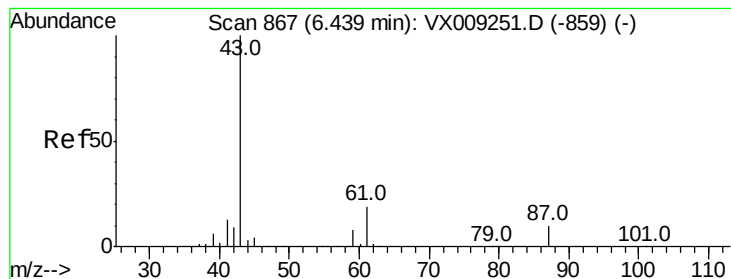
Tot Ion: 43 Resp: 3469
Ion Ratio Lower Upper
43 100
57 1.3 6.0 9.0#
72 13.3 18.2 27.4#



#41
Bromodichloromethane
Concen: 3.907 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009476.D
Acq: 10 May 2019 12:27

Tgt Ion: 83 Resp: 9660
Ion Ratio Lower Upper
83 100
85 65.2 52.6 79.0
127 8.8 6.9 10.3





#44

Isopropyl Acetate
 Concen: 995.793 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.01 min
 Lab File: VX009476.D
 Acq: 10 May 2019 12:27

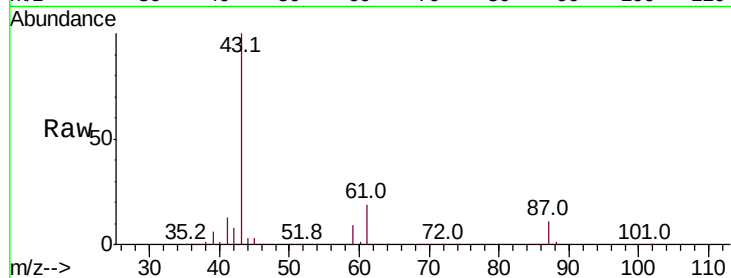
Instrument :
 MSVOA_X
 ClientSampleId :
 SEWER-OUTLET-02

Tot Ion: 43 Resp: 5545854

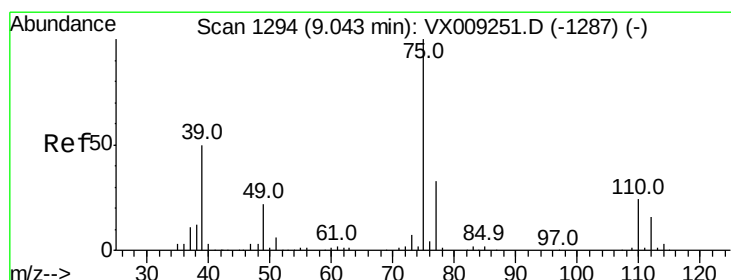
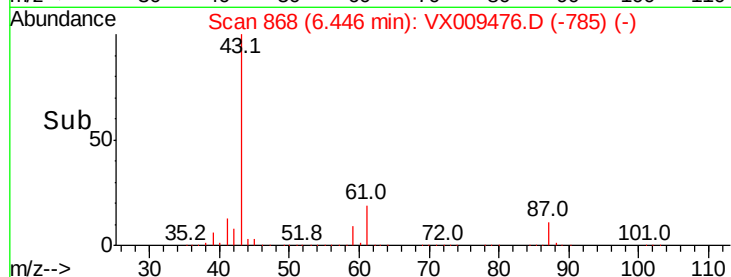
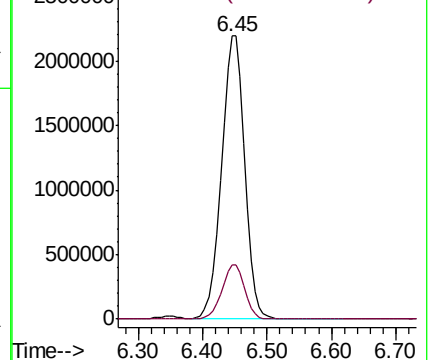
Ion Ratio Lower Upper

43 100

61 19.0 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0



#48

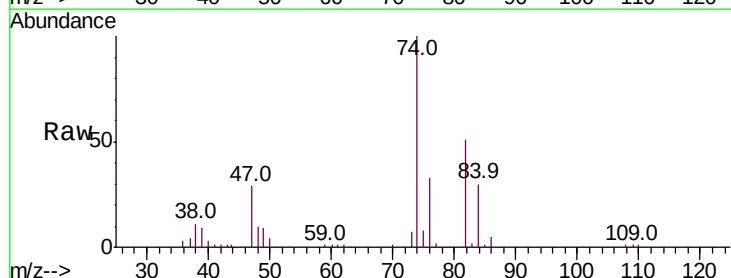
t-1,3-Dichloropropene
 Concen: 0.857 ug/l
 RT: 9.05 min Scan# 1295
 Delta R.T. 0.01 min
 Lab File: VX009476.D
 Acq: 10 May 2019 12:27

Tgt Ion: 75 Resp: 2473

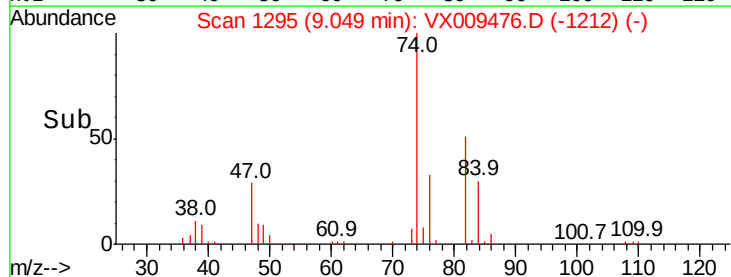
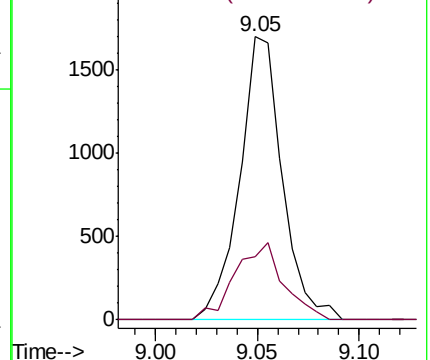
Ion Ratio Lower Upper

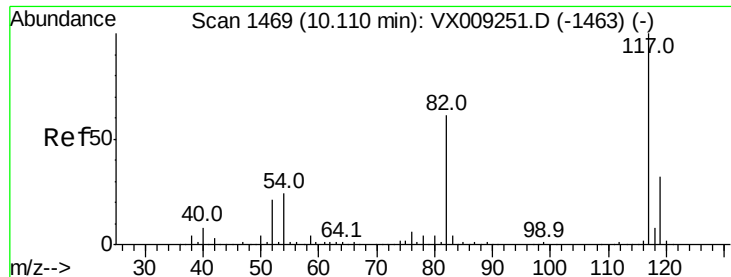
75 100

77 22.5 26.5 39.7#



Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0

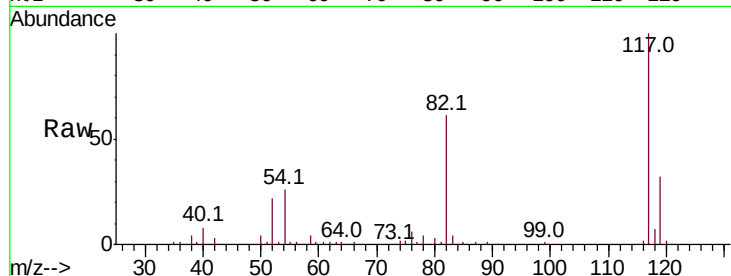




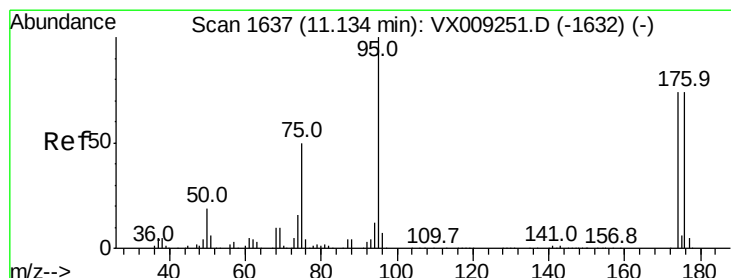
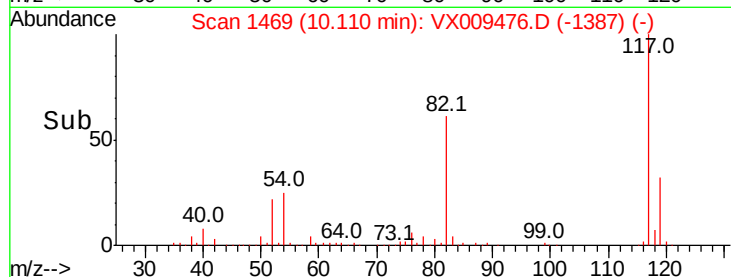
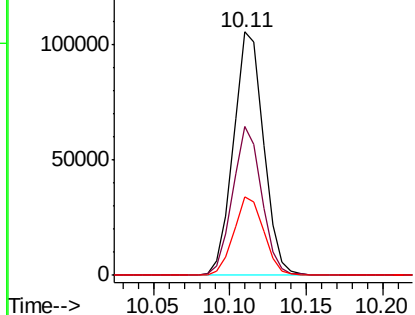
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009476.D
Acq: 10 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
SEWER-OUTLET-02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.8
119	32.1	25.6	38.4

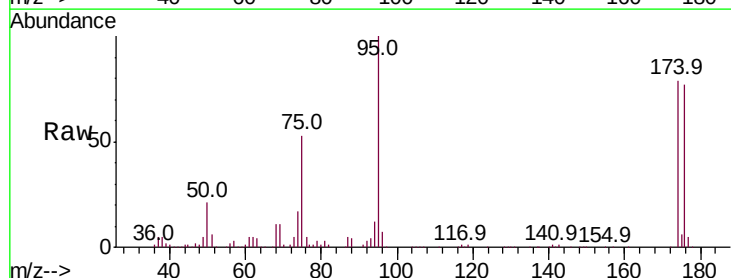


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

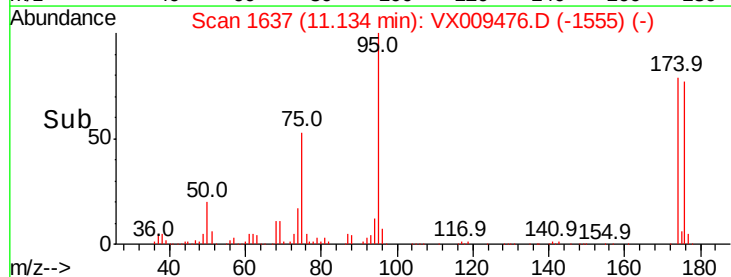
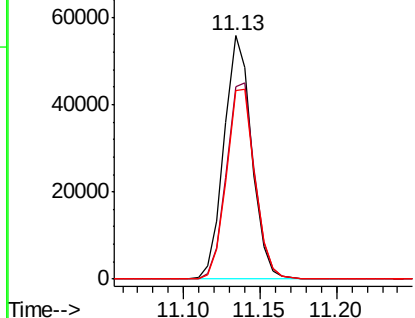


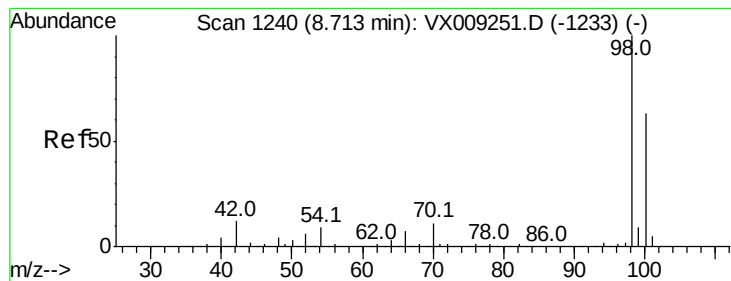
#60
4-Bromofluorobenzene
Concen: 28.577 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009476.D
Acq: 10 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.4	63.6	95.4
176	80.7	62.4	93.6



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 29.856 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009476.D

Acq: 10 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

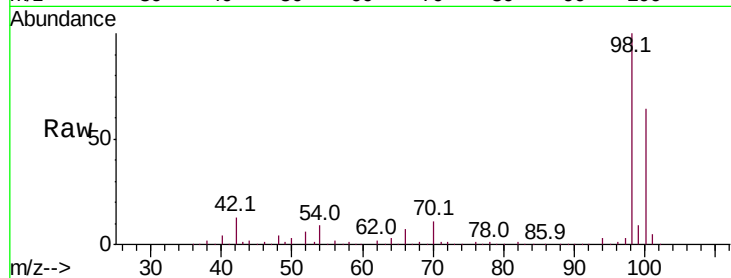
SEWER-OUTLET-02

Tot Ion: 98 Resp: 203624

Ion Ratio Lower Upper

98 100

100 63.4 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX009251.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX009251.D (-1233) (-)

8.71

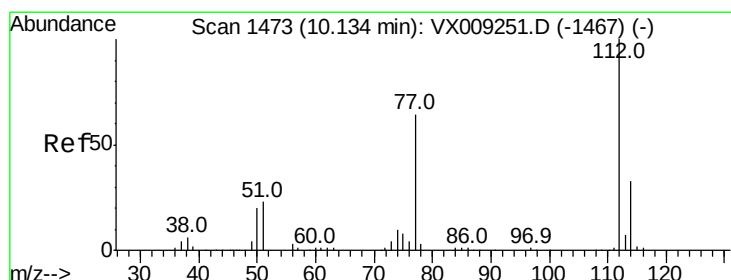
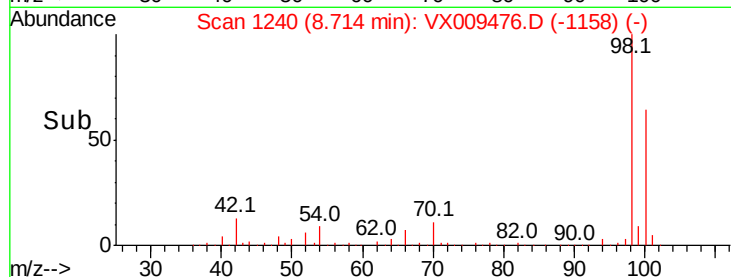
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 0.436 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009476.D

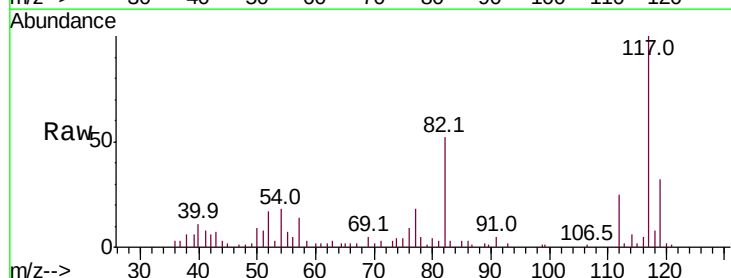
Acq: 10 May 2019 12:27

Tgt Ion: 112 Resp: 2018

Ion Ratio Lower Upper

112 100

114 25.2 26.2 39.2#



Abundance Ion 112.00 (111.70 to 112.70): VX009251.D (-1467) (-)

Ion 114.00 (113.70 to 114.70): VX009251.D (-1467) (-)

10.13

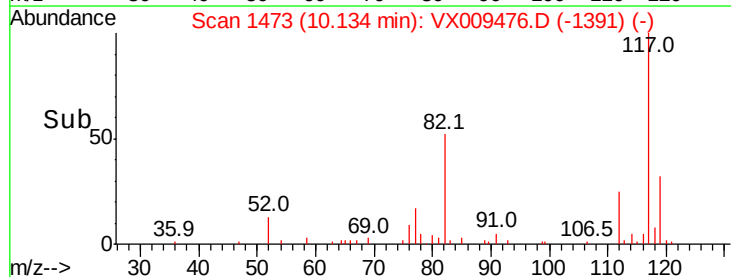
1500

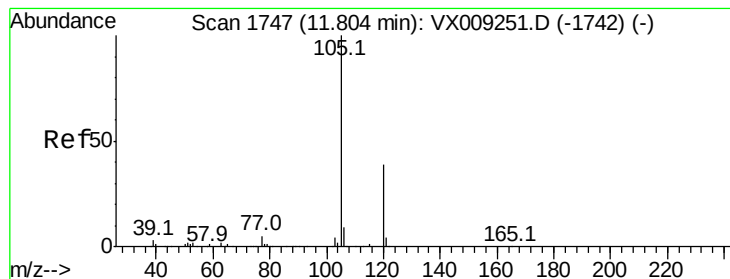
1000

500

0

Time-->





#80

1,2,4-Trimethylbenzene

Concen: 2.546 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009476.D

Acq: 10 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

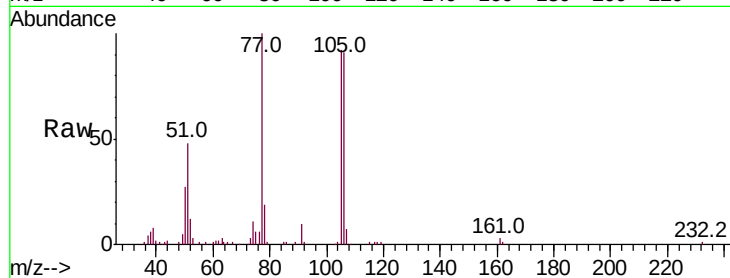
SEWER-OUTLET-02

Tot Ion:105 Resp: 17874

Ion Ratio Lower Upper

105 100

120 0.1 0.0 89.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

15000

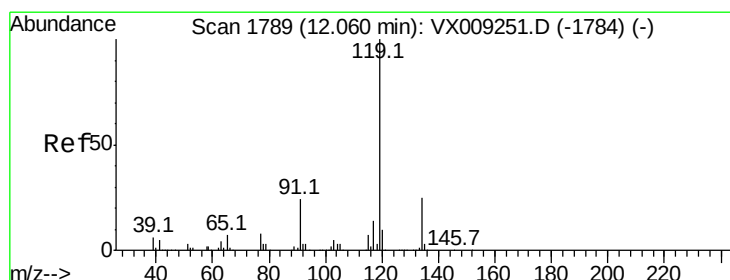
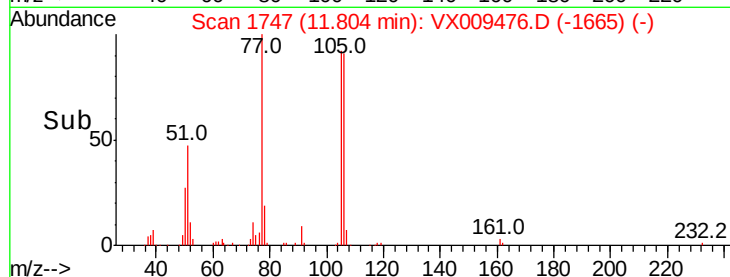
11.80

10000

5000

0

Time-->



#82

p-Isopropyltoluene

Concen: 0.579 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009476.D

Acq: 10 May 2019 12:27

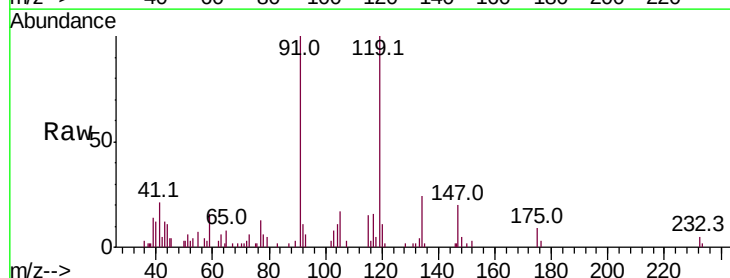
Tgt Ion:119 Resp: 4234

Ion Ratio Lower Upper

119 100

134 24.9 0.0 50.8

91 91.8 0.0 47.2#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

5000

4000

3000

2000

1000

0

Time-->

